



1999 Toxics Release Inventory

UTAH

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	82,379,463	1,078,706,655	1,161,086,118
Air Emissions	50,620,528	2,406,951	53,027,479
Surface Water Discharges	1,037,793	15,550	1,053,343
Underground Injection Class I Wells	3,600	0	3,600
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	10,492	15,824,327	15,834,819
Other On-site Land Releases	30,707,050	1,060,459,827	1,091,166,877
Off-site Releases (Transfers Off-site to Disposal)*	406,157	294,694	700,851
Total On- and Off-site Releases	82,785,620	1,079,001,349	1,161,786,969
Recycled On-site	2,126,718	6,039,500	8,166,218
Recycled Off-site	2,807,088	0	2,807,088
Energy Recovery On-site	2,236,541	0	2,236,541
Energy Recovery Off-site	33,548	57,988	91,536
Treated On-site	236,048,188	31,234,934	267,283,122
Treated Off-site**	1,294,689	55,122	1,349,811
Quantity Released On- and Off-site***	82,256,052	578,714,973	660,971,025
Total Production-related Waste Managed	326,802,824	616,102,517	942,905,341
Total Non-production-related Waste Managed	6,803,887	505,165,004	511,968,891

Transfers Off-site for Further Waste Management/Disposal

Recycling	2,863,947	18	2,863,965
Energy Recovery	23,419	58,089	81,508
Treatment	581,728	82,803	664,531
Publicly Owned Treatment Works (POTWs)	881,600	0	881,600
Metals and Metal Compounds*	6,403	0	6,403
Non-metal TRI Chemicals**	875,197	0	875,197
Other Off-site Transfers***	0	0	0
Off-site Transfers to Disposal (not including metals to POTWs)	6,436,218	428,390	6,864,608
Total Transfers Off-site for Further Waste Management/Disposal	10,786,912	569,300	11,356,212

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

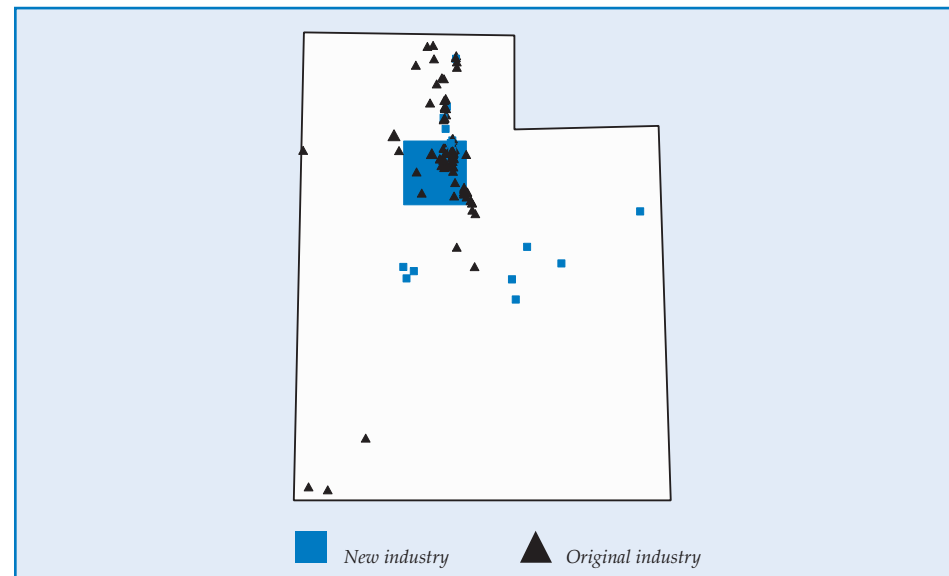
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(202) 260-1531
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The largest marker in the state map represents the largest facility for on-site releases in the state of Utah. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	2,129,836
Square Miles	82,168
Total Facilities	170
Total Forms	697
Form As	86

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	8	2	2
Pounds	82,785,620	1,079,001,349	1,161,786,969
National Rank for Total On-site Releases**			
Rank	5	2	2
Pounds	82,379,463	1,078,706,655	1,161,086,118
National Rank for Total Releases within State***			
Rank	9	2	2
Pounds	85,298,119	1,079,092,446	1,164,390,565
National Rank for Production-related Waste Managed			
Rank	22	3	10
Pounds	326,802,824	616,102,517	942,905,341

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



1999 Toxics Release Inventory

UTAH

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-Site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7782-50-5	Chlorine	45,274,920	0	3,600	10,600	0	45,289,120	0	0	0
--	Copper compounds	154,203	5,700	0	8,300,353	54,316	8,514,572	28,356	127,297	46,865
--	Arsenic compounds	22,750	10,150	0	7,800,005	250	7,833,155	33,271	17,250	250
--	Zinc compounds	15,474	2,413	0	5,788,057	1,848,638	7,654,582	575,755	2,700,075	1,842,864
--	Lead compounds	88,930	763	0	4,700,297	160,088	4,950,078	546,177	269,504	159,948
7647-01-0	Hydrochloric acid	2,786,337	0	0	28,600	0	2,814,937	0	0	0
--	Nitrate compounds	68	1,000,755	0	1,401,369	5	2,402,197	6,494	5	0
--	Manganese compounds	374,248	750	0	340,749	199,069	914,816	132,621	329,912	197,877
--	Nickel compounds	63,814	1,250	0	540,118	3,254	608,436	42,767	6,639	3,254
7664-41-7	Ammonia	112,640	6,753	0	415,250	250	534,893	500	255	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-Site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
--	Copper compounds	9,945	1,710	0	696,467,880	9,170	696,488,705	15,470	88,088	1,269
--	Manganese compounds	3,885	260	0	90,304,674	86,630	90,395,449	219	84,530	2,100
--	Chromium compounds	2,351	250	0	81,262,734	18,544	81,283,879	1,115	60,168	1,900
--	Lead compounds	1,145	250	0	73,787,926	12,844	73,802,165	14,374	12,393	456
--	Zinc compounds	4,086	3,810	0	67,130,985	22,390	67,161,271	13,374	20,790	1,600
--	Arsenic compounds	1,275	250	0	42,278,390	424	42,280,339	204	424	0
--	Nickel compounds	1,542	1,600	0	10,270,809	1,274	10,275,225	367	1,091	183
--	Barium compounds	7,463	165	0	4,778,952	122,139	4,908,719	415	108,140	14,000
--	Selenium compounds	8,937	250	0	1,719,154	2,019	1,730,360	0	1,746	273
--	Silver compounds	30	250	0	1,449,480	372	1,450,132	0	372	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



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UTAH

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Magnesium Corp. of America, Rowley, Tooele	47,345,226	0	0	0	0	0	47,345,226	0	0
Kennecott Utah Copper Smelter & Refy., Magna, Salt Lake	218,690	26,445	0	0	0	28,360,825	28,605,960	111,495	2,080
Western Zirconium, Ogden, Weber	149,522	0	0	0	0	1,561,303	1,710,825	0	0
Geneva Steel, Vineyard, Utah	94,567	1,009,155	0	0	0	365,317	1,469,039	0	0
Thiokol Propulsion, Corinne, Box Elder	690,000	0	0	0	0	0	690,000	0	0
Lifetime Prods. Inc., Clearfield, Davis	675,597	0	0	0	0	0	675,597	0	0
Pacific States Cast Iron Pipe Co., Provo, Utah	4,655	0	0	0	0	196,792	201,447	0	0
Gossner Foods Inc. Cheese Plant, Logan, Cache	0	0	0	0	0	149,309	149,309	0	0
U.S. DOD U.S. Air Force Ogden Air Logistics Center, Hill A F B, Davis	113,832	0	0	0	0	0	113,832	109,141	34
B. D. Medical Sys., Sandy, Salt Lake	78,050	0	0	0	0	0	78,050	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Kennecott Utah Copper Mine Concentrators & Power Plant, Copperton, Salt Lake	26,252	15,385	0	0	0	1,020,765,865	1,020,807,502	0	0
Kennecott Barneys Canyon Mining Co., Bingham Canyon, Salt Lake	10,500	0	0	0	0	32,000,000	32,010,500	0	0
Safety Kleen (Lone & Grassy) Inc. Grassy Mountain Facility, Grantsville, Tooele	672	0	0	0	14,712,053	416,528	15,129,253	18,875	0
Pacificorp Huntington Plant, Huntington, Emery	953,335	0	0	0	0	964,640	1,917,975	60,006	0
Intermountain Power Generating Station, Delta, Millard	132,750	0	0	0	0	1,399,600	1,532,350	0	0
Pacificorp - Hunter Power Plant, Castle Dale, Emery	173,137	0	0	0	0	1,309,833	1,482,970	91,700	20,895
Bonanza Power Plant, Vernal, Uintah	55,930	0	0	0	0	1,400,371	1,456,301	0	0
Brush Wellman Inc. - Mill, Delta, Millard	420,197	0	0	0	0	956,482	1,376,679	0	0
Envirocare of Utah Inc., Grantsville, Tooele	0	0	0	0	1,112,274	252,085	1,364,359	0	0
Sunnyside Cogeneration Associates, Sunnyside, Carbon	323,319	0	0	0	0	838,059	1,161,378	86,120	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



1999 Toxics Release Inventory

UTAH

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Magnesium Corp. of America, Rowley, Tooele	0	0	0	0	214,000,000	0	47,228,226	261,228,226	0
Kennecott Utah Copper Smelter & Refy., Magna, Salt Lake	0	0	0	0	1,500	0	21,825,160	21,826,660	6,778,300
Nucor Steel - A Div. of Nucor Corp., Plymouth, Box Elder	0	23	0	0	0	0	5,693,714	5,693,737	0
Western Zirconium, Ogden, Weber	150,000	0	0	0	8,892,000	0	1,712,710	10,754,710	67
Geneva Steel, Vineyard, Utah	0	0	0	0	496,010	1,070	1,476,863	1,973,943	0
Lifetime Prods. Inc., Clearfield, Davis	0	136,801	0	0	0	0	675,597	812,398	0
Thiokol Propulsion, Corinne, Box Elder	0	44,000	0	0	300	0	671,000	715,300	0
Parish Chemical Co., Vineyard, Utah	0	0	0	0	0	251,348	266,429	517,777	0
U.S. DOD U.S. Air Force Ogden Air Logistics Center, Hill A F B, Davis	19,700	126,400	0	0	0	28,650	222,900	397,650	34
Pacific States Cast Iron Pipe Co., Provo, Utah	0	0	0	0	0	0	201,447	201,447	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Kennecott Utah Copper Mine Concentrators & Power Plant, Copperton, Salt Lake	0	0	0	0	0	0	520,321,030	520,321,030	505,165,000
Kennecott Barneys Canyon Mining Co., Bingham Canyon, Salt Lake	0	0	0	0	0	0	32,010,000	32,010,000	0
Safety Kleen (Lone & Grassy) Inc. Grassy Mountain Facility, Grantsville, Tooele	0	0	0	0	33,752	48,163	15,196,291	15,278,206	0
Pacificorp Huntington Plant, Huntington, Emery	0	0	0	0	1,520,000	0	1,969,000	3,489,000	0
Pacificorp - Hunter Power Plant, Castle Dale, Emery	0	0	0	0	5,400,000	0	1,595,000	6,995,000	0
Intermountain Power Generating Station, Delta, Millard	0	0	0	0	4,040,500	10	1,540,000	5,580,510	0
Bonanza Power Plant, Vernal, Uintah	0	0	0	0	0	0	1,456,301	1,456,301	0
Brush Wellman Inc. - Mill, Delta, Millard	6,039,500	0	0	0	197,400	0	1,377,577	7,614,477	0
Envirocare of Utah Inc., Grantsville, Tooele	0	0	0	0	0	0	1,364,358	1,364,358	3
Sunnyside Cogeneration Associates, Sunnyside, Carbon	0	0	0	0	0	0	1,275,419	1,275,419	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.